

Table 6 - Comparative Fastener Withdrawal Numbers

Composite Description	Density	Plastic %	Nail Pull Through	Nail Withdrawal	Screw Withdrawal
Portland Cement Board (WonderBoard - 1/4" thick) ¹⁰	98 pcf	-----	> 100 lbs	N.A.	N.A.
USDA, Forest Product Laboratory, melt blended PP and hammer-milled random oriented juniper chips ¹¹	51-60 pcf	50%-70%	N.A.	N.A.	N.A.
<i>INVENTION</i> - Composite LDPE and random oriented Juniper particles, no additives ¹²	47 pcf	50%	135 lbs	147 lbs	493 lbs.
Strandex Composite, 50% PE, 50% wood (dust sized particles), extruded, cross-linking additive ¹³	68 pcf	50%	N.A.	97 lbs	438 lbs

¹⁰ From WonderBoard web page at www.unifxinc.com
¹¹ Values supplied by the USDA, Forest Products Laboratory
¹² Rycair Inc. internal testing (Report # 3020-96-TR-09-96-01-WR)
¹³ Strandex composite values from www.comptrusion.com/Strandex